

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

Claims 1-39. (Cancelled)

Claim 40. (Original) A method of selecting a tap connected to an electrical control device for controlling voltage from a power source to a load, the method comprising:

- receiving a signal from a control apparatus coupled to the power source to select a tap;
- energizing a motor coupled to the control apparatus and having an output device;
- rotating the motor output device in response to the energization of the motor;
- providing a transmission device coupled to the motor output device and to a drive sprocket;
- driving the drive sprocket through the transmission device in response to rotation of the motor output device;
- rotating a gear in response to driving the drive sprocket, the gear engaging a first set of movable contacts;
- rotating the first set of movable contacts in response to rotation of the gear to select the tap connected to the electrical control device.

Claim 41. (Original) The method of claim 40 further comprising closing a holding switch connected to couple the power source to the motor to maintain continuous power to the motor from the power source to ensure that the tap is selected after the signal from the control apparatus is received.

Claim 42. (Original) The method of claim 41 further comprising opening the holding switch after a predetermined rotation of the drive shaft to de-energize the motor to select the electrical control device tap.

Claim 43. (Original) The method of claim 40 further comprising actuating a pivoting member coupled to the gear to change a polarity of the voltage through the tapped section of the electrical control device.

Claim 44. (Original) The method of claim 43 further comprising forming an anti-arcing bridge between a neutral tap and a second set of movable contacts connected to one end of a winding of the electrical control device.

Claim 45. (Original) The method of claim 44 further comprising de-energizing the motor when the first set of movable contacts reaches a travel limit position.

Claim 46. (Original) The method of claim 40 further comprising engaging the drive sprocket to prevent the drive sprocket from moving when the electrical control device tap is selected.

Claim 47. (Original) The method of claim 40 further comprising actuating a device remote from the motor and the gear to indicate the selected electrical control device tap.

Claim 48. (Original) The method of claim 47 in which actuating the remote device comprises engaging a second gear by an output shaft of the drive sprocket to rotate a pinion coupled to the remote device.

Applicant : Christopher J. Byers et al.
Serial No. : 10/701,446
Filed : November 6, 2003
Page : 4 of 6

Attorney's Docket No.: 08215-412002

Claim 49. (Original) The method of claim 48 further comprising stabilizing the second gear with a biasing device attached to the pinion and engaging a slot along an outer perimeter of the second gear.